

PICTURE PROCESSOR**Publication number:** JP2000228747**Publication date:** 2000-08-15**Inventor:** HORIUCHI KAZUHITO**Applicant:** OLYMPUS OPTICAL CO**Classification:****- international:** H04N5/243; G06T5/00; H04N1/387; H04N1/407; H04N1/409; H04N5/243; G06T5/00; H04N1/387; H04N1/407; H04N1/409; (IPC1-7): H04N5/243; G06T5/00; H04N1/387; H04N1/407; H04N1/409**- European:****Application number:** JP19990338551 19991129**Priority number(s):** JP19990338551 19991129; JP19980344665 19981203**Report a data error here****Abstract of JP2000228747**

PROBLEM TO BE SOLVED: To keep contrast even when a picture is displayed in a display system with a narrow density contrast by processing a group of pictures consisting of plural pictures, executing gradation correction by each picture in the group of the pictures and composing each gradation-corrected picture to prepare one picture with wide dynamic range. **SOLUTION:** A gradation correction circuit detects a luminance signal from divided picture information dd, ee outputted from a divided area picture information extracting circuit and detects whether a pixel constitutes an edge or not concerning each pixel in a picture from a luminance signal mm outputted from a Y-signal detecting circuit 51. Based on the edge detecting signal nn of an edge detecting circuit 52 and the signal mm, an edge histogram showing appearing frequency to a luminance level is calculated. This gradation correction makes it possible to compose pictures in the neighborhood of the center of the density range of a wide dynamic range picture to carry out to generate by picture composing processing circuit later.

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